

Diagram illustrating a rectangular structure 10. The structure is divided into two main regions by a vertical boundary 12. The left region is labeled Side 2, and the right region is labeled Side 1. Horizontal arrows 22 indicate a flow or force from the left. A vertical hatched line 14 is located on the left side, and a vertical solid line 16 is located on the right side. A horizontal line 18 is positioned in the center. A vertical line 20 is shown at the bottom, with 'Top' and 'Bottom' labels indicating its extent. A coordinate system Z_0 is indicated at the bottom center.

The graph shows the relationship between Additional Energy (E) and Position (Z). The vertical axis is labeled 'ADDITIONAL ENERGY (E)' and has markers for E_{MAT} and ϕ . The horizontal axis is labeled 'Z' and has markers for 'Top', Z_0 , and 'Bottom'. A solid curve, labeled 201, represents the energy profile. It starts at a constant level E_{MAT} at the 'Top', dips to a minimum at Z_0 (labeled 207), and returns to E_{MAT} at the 'Bottom'. A dashed horizontal line at E_{MAT} is labeled 205. A dashed vertical line at Z_0 is labeled 203. An arrow labeled 200 points to the top right corner of the graph area.

Fig. 2

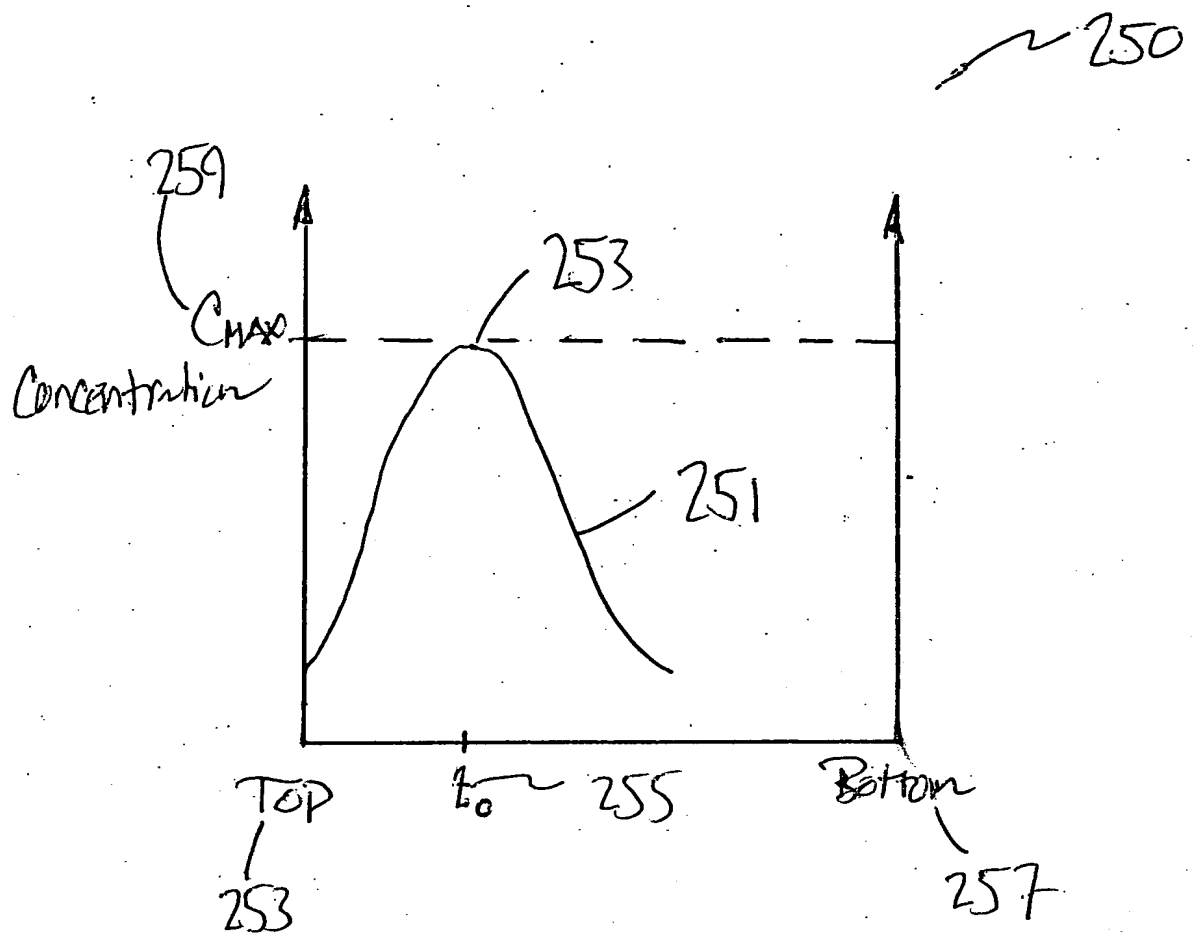


FIG. 1A

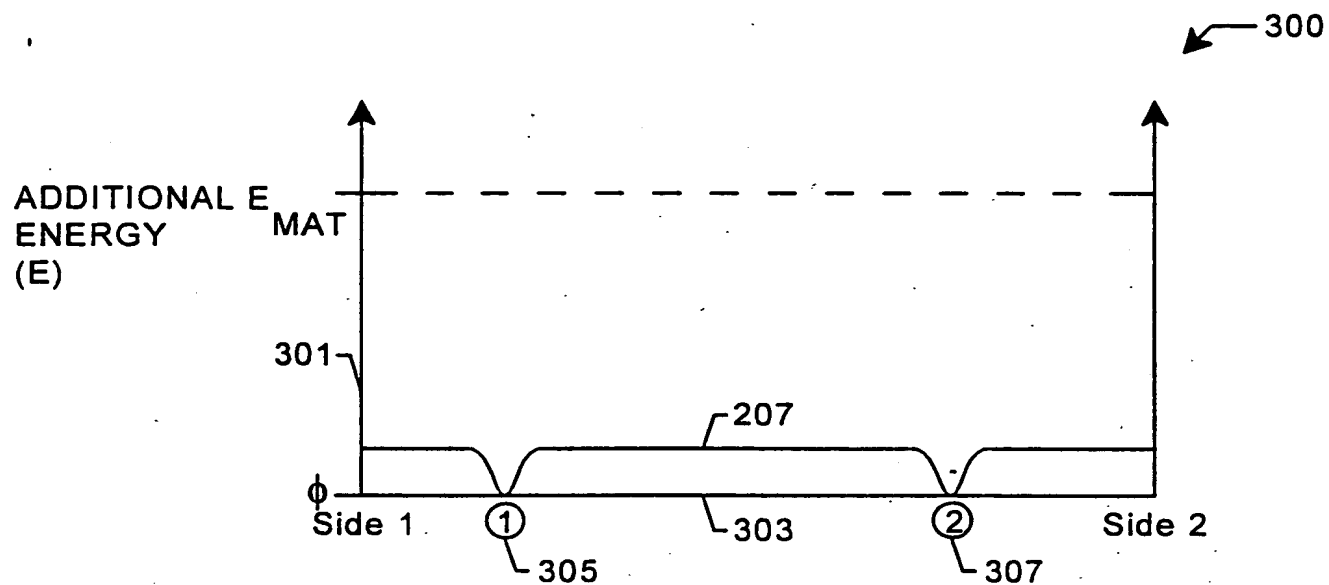


Fig. 3

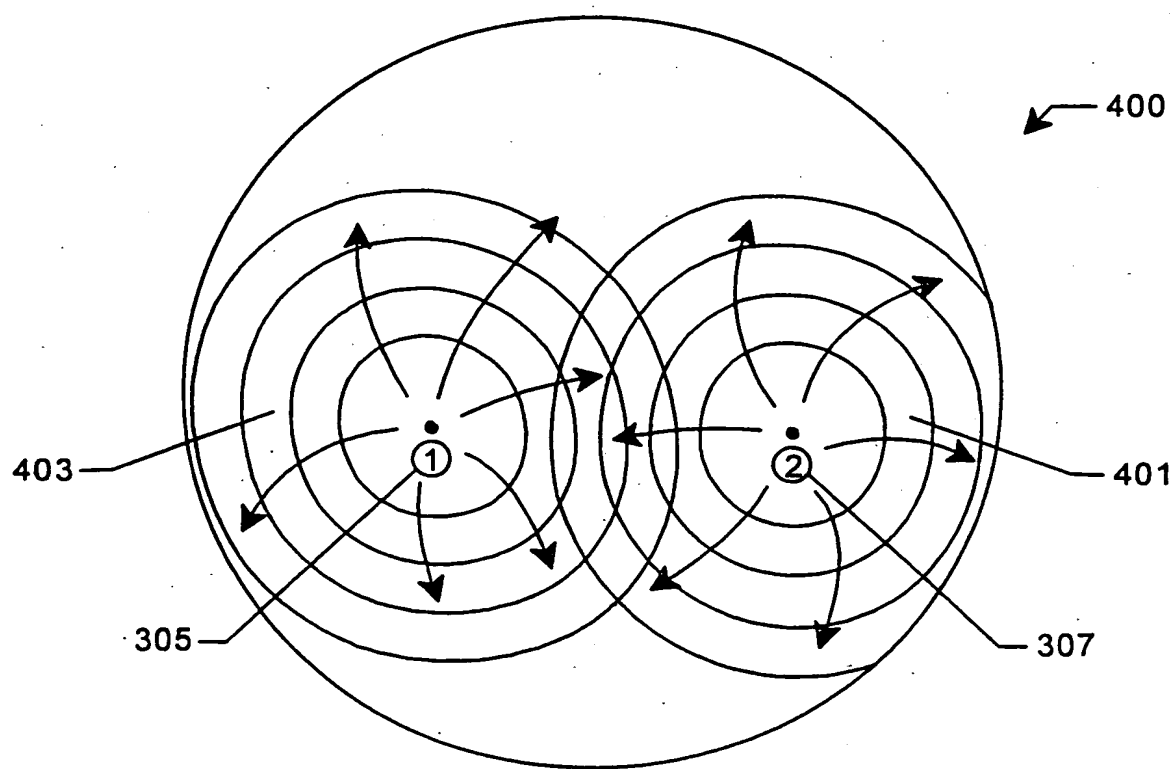


Fig. 4

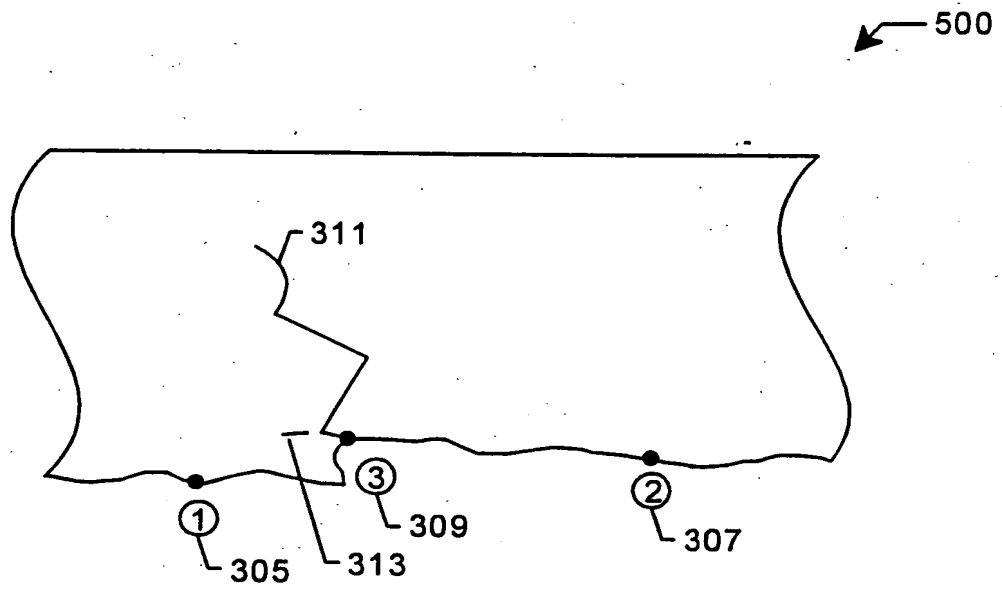


Fig. 5

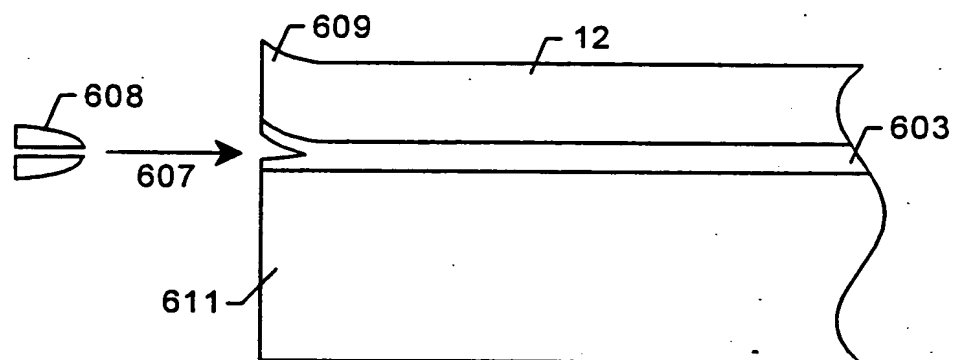


Fig. 6A

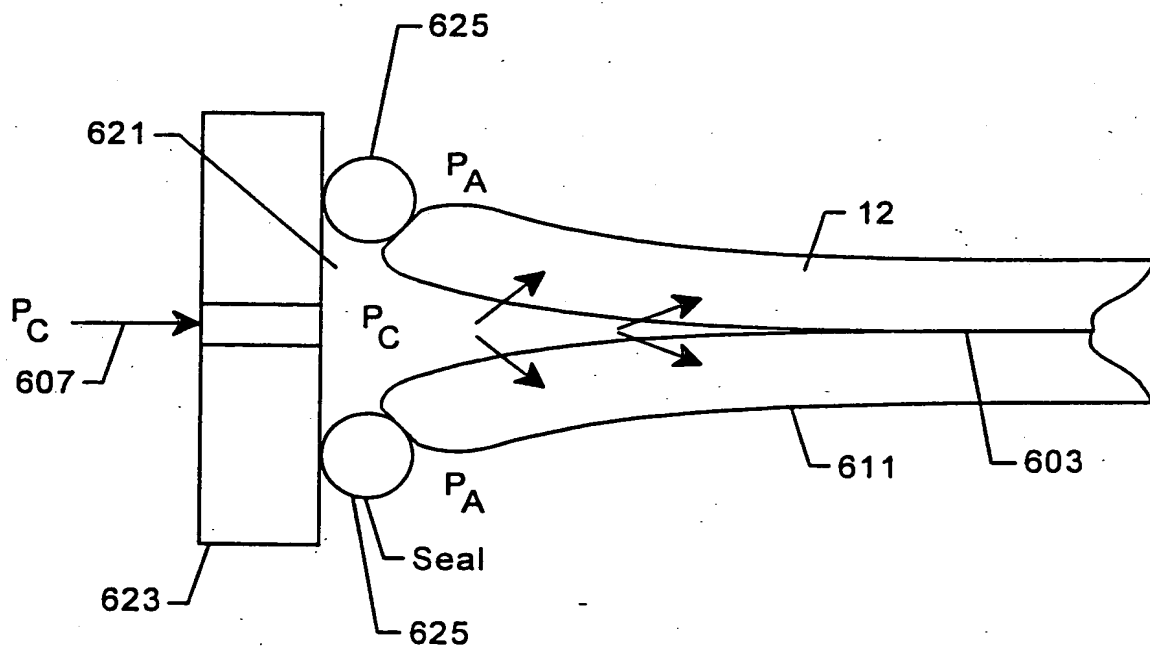


Fig. 6B

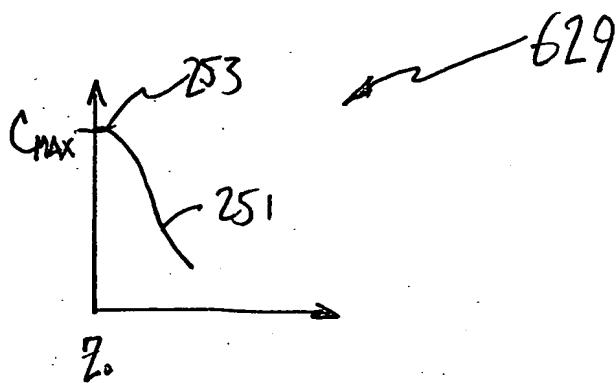
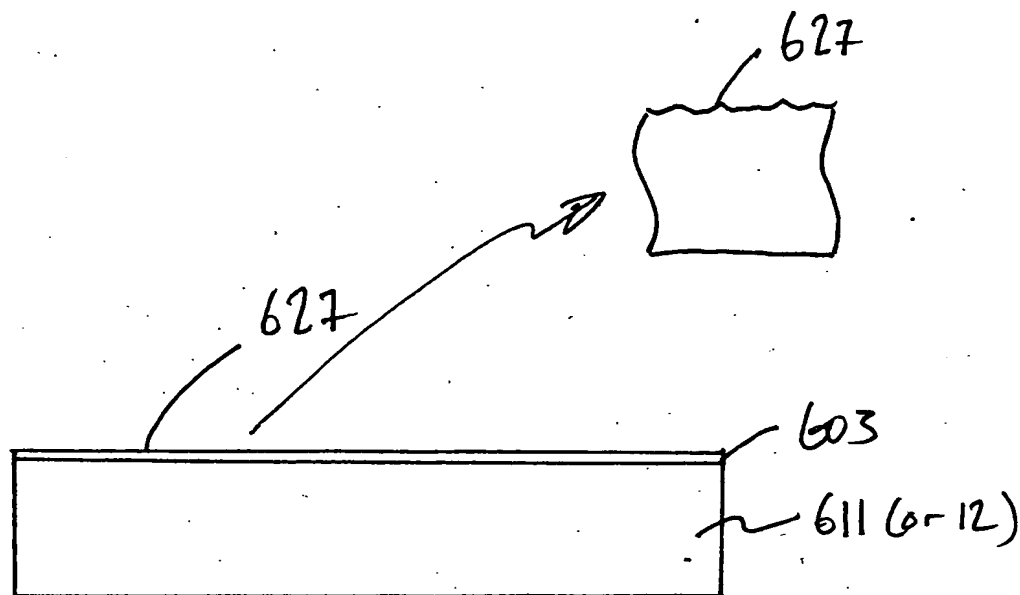


FIG. 6C

Diagram illustrating a pulse train in a plasma. The vertical axis represents energy (E) with levels E_C , E_P , and ϕ . The horizontal axis represents distance from Side 1 to Side 2. Three pulses are shown: Pulse 1 at level E_C , and Pulses 2 and 3 at level E_P . An arrow labeled "Front" indicates the direction of propagation. A speed of 800 is indicated at the top right.

The diagram illustrates a rectangular pulse wave propagating from Side 1 to Side 2. The pulse has a peak value E_C and a baseline value E_P . The leading edge is labeled "Front" with an arrow pointing right. An "Initiating Pulse" is shown at the start of the pulse. A 90-degree angle is indicated at the top right corner.

Fig. 9

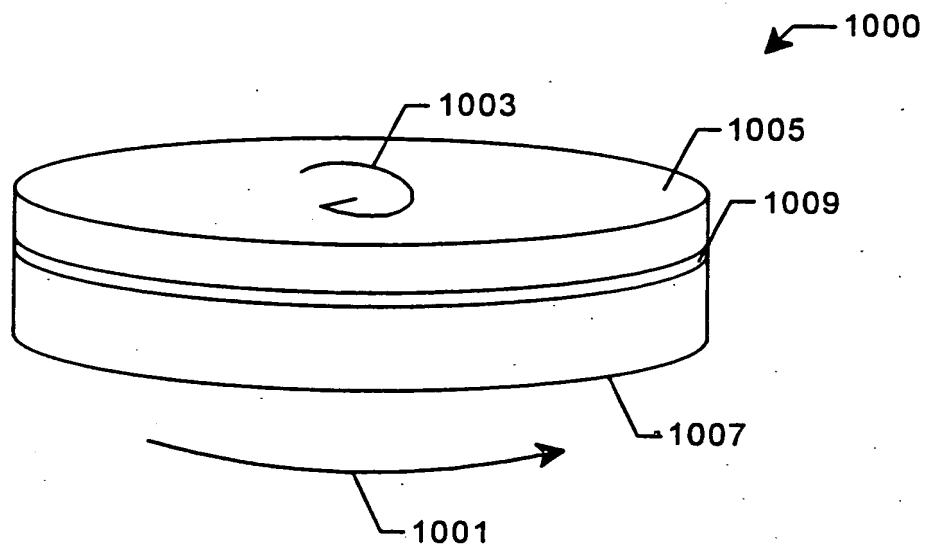


Fig. 10

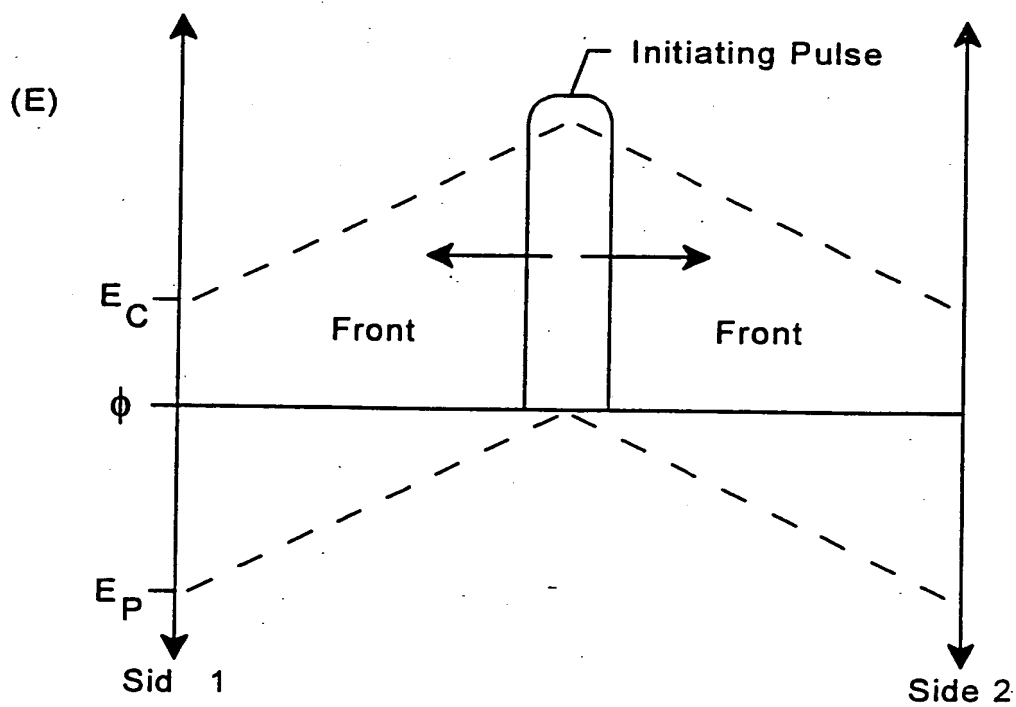


Fig. 11

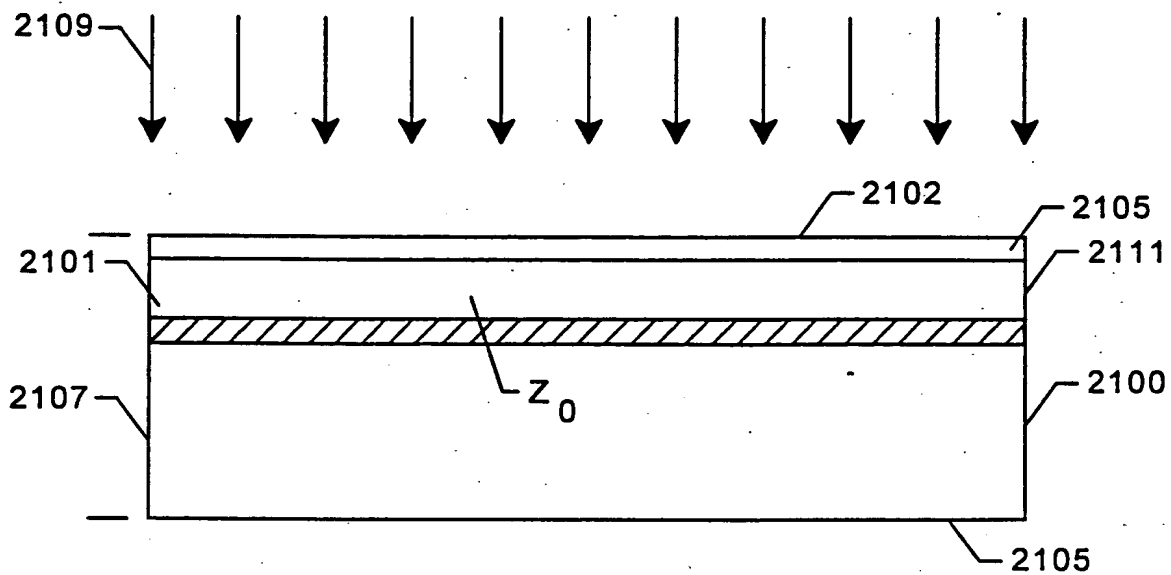


Fig. 12

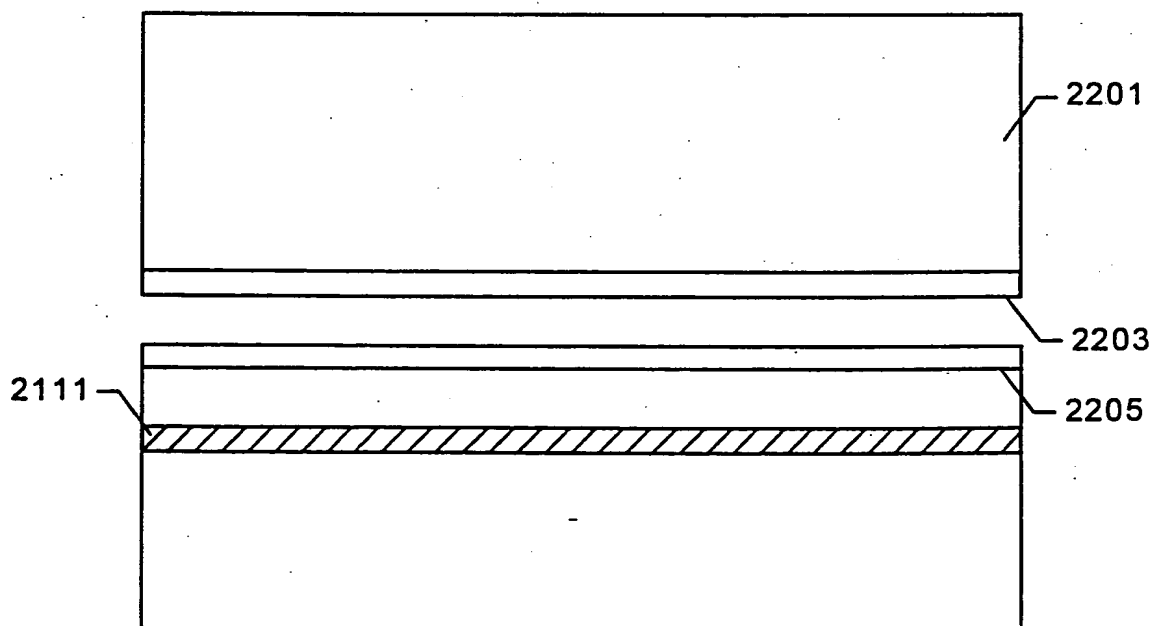
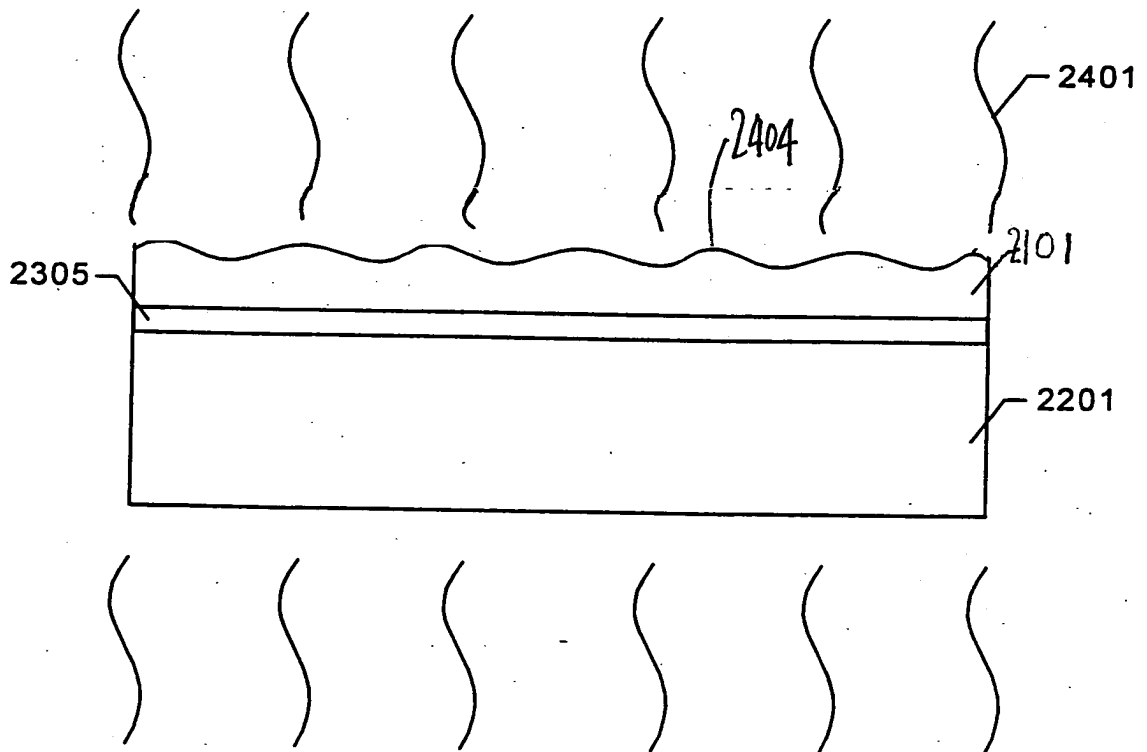
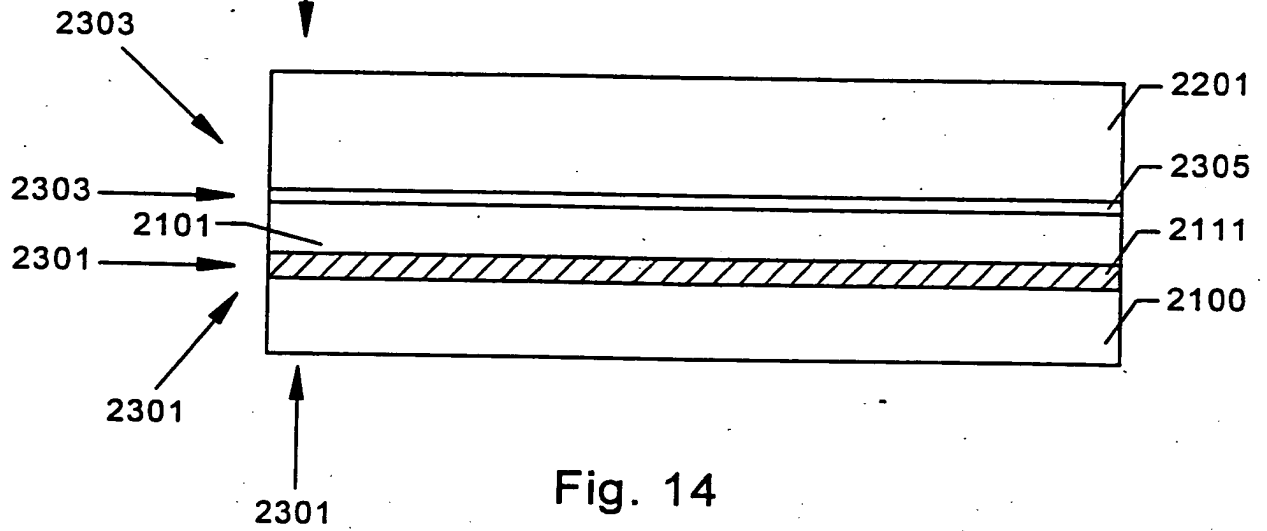


Fig. 13

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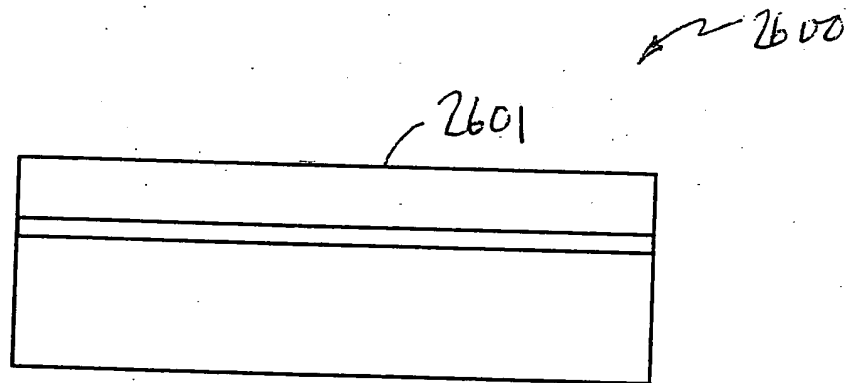


Fig. 16